GOVERNMENT OF INDIA
SCIENCE AND TECHNOLOGY
LOK SABHA

UNSTARRED QUESTION NO:476
ANSWERED ON:24.11.2006
POSITION OF INDIA IN RESEARCH AND DEVELOPMENT
Chakrabortty Shri Swadesh

Will the Minister of SCIENCE AND TECHNOLOGY be pleased to state:

(a) whether India`s position in scientific research and development is low in the world;

(b) if so, the number of patents for new invention applied by Indian Scientists and other developed and developing countries during the last three years; and

(c) the steps taken to arrest the snail space growth in research and development in India?

Answer

MINISTER OF SCIENCE AND TECHNOLOGY AND MINISTER OF EARTH SCIENCES (KAPIL SIBAL)

(a) Any comparison of India`s position in scientific research and development vis-Ã -vis other countries is unrealistic in view of the availability of resources and infrastructure for R&D. International comparison in scientific research and development is mainly measured in terms of expenditure on Research and Development (R&D) as percentage of Gross Domestic Product (GDP). Presently, India`s expenditure on R&D as percentage of GDP is 0.80 as compared to 2.67 in USA, 1.23 in China and 0.27 in Pakistan.

(b) The number of patents for new invention applied by Indian Scientists and other developed and developing countries during the years 2002-03, 2003-04 and 2004-05 is annexed.

(c) The Government has taken various steps from time to time to encourage research and development activities in India. Accordingly, the Government has enhanced the S&T Plan outlay of Scientific Departments/Agencies from Rs.12,022 crores in 9th Plan to Rs.25,243 crores in 10th Plan and plans to increase it further in 11th Plan. Further, various initiatives have been taken by the Government to encourage investment on R&D both in industry and institutions through several fiscal incentives and other support measures such as support in the form of grants for industrial R&D projects, support to R&D projects through sector specific programmes of various scientific and economic Ministries, income tax relief on R&D expenditure, weighted tax deduction for sponsored research, custom duty exemption on goods imported for use in Government funded R&D projects, tax holiday and national awards for outstanding R&D

ANNEXURE

APPLICATIONS FOR PATENTS AT INDIAN PATENT OFFICE (IPO) IN THE YEARS 2002-03 TO 2004-05

Applicants	2002-03	2003-04	2004-05
Indians	2693	3218	3630
Foreigners Resident Abroad	1724	1678	3165

Source: Annual Reports of the Controller General of Patents, Designs and Trade Marks.

Note : Foreigners Resident Abroad include broadly the residents of Common Wealth Countries, American, European, African and Asian countries.

APPLICATIONS FOR PATENTS FILED THROUGH PCT IN THE YEARS 2002-03 TO 2004-05

PCT Applicants	2002-03	2003-04	2004-05
Indians #	525	764	723
Foreigners Resident Abroad	7049	7717	10671

#Data refers to calendar year.

Source: Annual Reports of the Controller General of Patents, Designs and Trade Marks.
World Intellectual Property Organisation (WIPO), Geneva www.wipo.int

Note: Foreigners Resident Abroad include broadly the residents of Common Wealth Countries, American, European, African and Asian countries.

Indian applicants include patents filed by Indians through PCT designating foreign countries.

Foreigners Resident Abroad include patents filed through PCT designating India.